

Center for Coal Research

Dr. Larry Anderson/University of Utah/SLC, Utah

Established as a center in 1987. The main focus is the development of new markets for Utah coals and their products. The center promotes efforts to bring university and industry researchers together to develop and implement advanced methods of processing, upgrading, and preparation of Utah coal and tar sand resources. Current research activities include the implementation of coal/water slurry transport, differential liquefaction and resin extraction.

<u>Overview</u>		<u>Technologies</u>	<u>Status</u>	<u>Economic Impact</u>
Current State Contract	--	* Coal slurry transport	* Patent applied for on new method of extracting resin from coal	* Research supports small ink business in Price, Utah
Matching Funds	\$1,505,313	* Resin extraction from Utah's unique high resin coal	* One of the top three centers for coal research in the nation	* Has potential for 1,000 jobs in 5 yrs
Cumulative	\$3,232,045	* Partial liquefaction to advanced jet fuels	* 9 patents issued	* 3 spin-off companies created
Industry Jobs Created	44	* Pyrolysis/differential liquefaction		* State's coal reserves total 24 billion tons; high in fossil resin and heat content and low in pollution
Center Related Jobs	9	* Coal/liquid slurry technology and coal preparation		
Benefiting Utah Companies	3	* On-line coal conversion monitoring techniques		
Patents Applied	1			
Patents Issued	9			
License Agreements	1			